Abstract of the Disclosure

A frame saw for sawing a relatively thick piece of wooden feed stock simultaneously into a plurality of thinner pieces of wood, and including a feed assembly for continuously feeding the stock from an upstream input position to a downstream output position, and a plurality of closely spaced-apart parallel reciprocable saw blades positioned intermediate the input position and the output position for sawing the stock into thinner pieces of stock as the stock is moved by the feed assembly relative to the blades. A drive assembly is operatively connected to the blades for driving the blades in a reciprocating motion comprising alternate cutting and non-cutting strokes. A linear offset motion assembly is provided for moving the reciprocating blades alternately upstream and downstream into linearly-offset cutting and non-cutting positions relative to the stock. An electronic controller such as an encoder is provided for coordinating the reciprocating movement of the blades and the linear offset motion of the blades to thereby permit continuous movement of the stock while the blades are in both the cutting and non-cutting positions and strokes.